CLAIMS

1. An electronic trip device comprising:

- a processing unit having inputs to receive electrical signals representative of electrical quantities and an output to supply a tripping signal to a tripping relay, and

- a man-machine interface connected to the processing unit to supply setting parameters and to display information and tripping curves on a screen,

said man-machine interface comprises means for displaying setting parameters which modify the visual aspect of at least one portion of curve representative of a parameter whose setting is being adjusted.

2. The trip device according to claim 1, wherein the means for displaying setting parameters modify the visual aspect of at least one portion of curve by increasing the thickness of said at least one portion of curve representative of a parameter whose setting is being adjusted.

3. The trip device according to claim 1, wherein the means for displaying setting parameters frame at least one item of information displayed on the screen representative of a parameter whose setting is being adjusted.

4. The trip device according to claim 1, wherein the means for displaying setting parameters change at least a color of text or background of at least one item of information displayed on the screen representative of a parameter whose value is being modified.

5. The trip device according to claim 1, wherein the man-machine interface comprises display means for displaying a scrollable menu to frame at least one item of information to be selected in a selection phase.

6. The trip device according to claim 5, wherein the display means frame in a scrollable menu one item of information in the top-most position, one item of information in the bottom-most position, and items of information scrolled in a frame in a fixed intermediate position between a top-most position and a bottom-most position.

7. The trip device according to claim 1, wherein the man-machine interface comprises selection means comprising function buttons associated to indicator lights to indicate a function selected by a button.

8. The trip device according to claim 7, wherein the function buttons comprise at least a first button to select a measurement function, at least a second button to select a maintenance function, and a third button to select a setting function.

9. The trip device according to claim 7, the parameters whereof are set according to a process comprising:

- a step involving pressing on a setting function selection button,
- a step involving display of a list of protection curves,
- a step involving pressing on at least one shift button in a scrollable menu,

- a step involving pressing on a validate button to select a curve whose parameters are to be set,

- a step involving display of a selected curve and of corresponding setting parameters,

- a step involving display of a selected portion of curve with broader thickness and of a corresponding parameter with a frame,

- a step involving pressing on at least one shift button to change the portion of curve and the corresponding parameter,

- a step involving pressing on a validate button to switch to parameter value modification mode,

- a step involving pressing on a shift button to change parameter values, and

- a step involving pressing on at least one validate button to quit modification mode.

10. The trip device according to claim 1, wherein the man-machine interface is connected by communication means to the processing unit.

11. The trip device according to claim 10, wherein the communication means communicate according to an Internet type protocol.

12. The trip device according to claim 1, wherein the man-machine interface is represented on a screen to display information and tripping curves and to determine setting parameters.

13. The trip device according to claim 12, wherein setting parameters are determined by soft keys represented on a screen of the man-machine interface.

14. A circuit breaker comprising main contacts connected in series with power conductors, current sensors arranged on said conductors, and a tripping relay receiving a tripping signal to bring about opening of said contacts, comprising a trip device according to claim 1 connected to said current sensors and to said tripping relay.